

WHAT IS CLAIMED IS:

1. A cable connector (100) connectable to at least two balanced transmission cables (200) each of which comprises a pair of signal conductors (201) insulated from each other, and an electrical shield (203) electrically insulated from and surrounding the pair of signal conductors (201), wherein:

the cable connector (100) comprises a first module (10) and a second module (50) which is combined with the first module (10); the first module (10) comprises a first insulator (20) and a ground portion (30) electrically connectable to the electrical shields (203), wherein: the first insulator (20) holds the ground portion (30) and is provided with separator accommodation slits (22); and the first insulator (20) is further provided with cable receiving portions (24) each of which is arranged between the respective neighboring separator accommodation slits (22) and is able to hold one of the balanced transmission cables (200); and the second module (50) comprises at least two pairs of signal contacts (80) connectable to the respective pairs of the signal conductors (201), ground contacts (70) insulated from the signal contacts (80), separators (90) physically and electrically connected to the ground contacts (70), and a second insulator (60) holding the ground contacts (70) and the signal contacts (80), wherein: the separators (90) project from the second insulator (60); and, under a combined state of the first and the second modules (10, 50), the separators (90) are fitted into the respective separator accommodation slits (22) and are electrically connected to the ground portion (30).

2. The cable connector (100) according to claim 1, wherein: the ground contacts (70) and the signal contacts (80) extend in the first

direction; and each of the signal contacts (80) is arranged between the respective neighboring ground contacts (70) in the second direction.

3. The cable connector according to claim 1, wherein: the first insulator (20) has a first front end (20a) and a first rear end (20b) in a first direction; each of the cable receiving portions (24) extends in the first direction from the first rear end (20b) towards the first front end (20a) and is provided with a pair of positioning holes (25) which are formed in the first front end (20a) and serve to position the corresponding pair of signal conductors (201); and the signal contacts (80) are arranged in correspondence with the respective positioning holes (25).

4. The cable connector (100) according to claim 3, wherein: each of the pairs of the positioning holes (25) are arranged on one and the same imaginary plane extending in the first and the third directions; the signal contacts (80) constituting one pair are arranged in line with the third direction; and each pair of the signal contacts (80) is arranged between two pairs of the ground contacts (70) in the second direction.

5. The cable connector (100) according to claim 1, wherein: the ground portion (30) is comprised of at least two ground plates (30) spaced from each other; each of the separator accommodation slits (22) is laid on a plane intersecting the ground plates (30), each of the cable receiving portions (24) is arranged between the ground plates (30); under the combined state, the separators (90) and the ground plates (30) define enclosures for surrounding end portions of the respective balanced transmission cables (200).

6. The cable connector (100) according to claim 5, wherein: the ground plates (30) each extends in the first direction and in a second direction perpendicular to the first direction and are spaced from each other in a third direction perpendicular to the first and the second directions; the

separator accommodation slits (22) are aligned in parallel to each other in the first direction and arranged in line with the second direction; each of the separator accommodation slits (22) is laid on the plane perpendicular to the second direction; the second insulator (60) has a second front end (60a) and a second rear end (60b) which faces the first front end (20a) under the combined state; and the separators (90) project from the second rear end (60b) and extend in the first and the third direction.

7. The cable connector (100) according to claim 5, wherein: each of the separators (90) is formed with pair of arms (95) extending in the first direction; the arms (95) and the separators (90) form engaging gaps (96); each of the ground plates (30) is formed with engaging incisions (31); and, under the combined state, the separators (90) are fitted into the respective engaging incisions (31), while the ground plates (30) are fitted into the respective engaging gaps (96).

8. The cable connector (100) according to claim 5, each of the balanced transmission cables (200) further comprising a drain wire (204) connected to the electrical shield (203), wherein at least one of the ground plates (30) is formed with wire receiving incisions (32) for receiving the respective drain wires (204) so that the ground plate (30) is electrically connected to the electrical shields (203).